

AMENDMENTS

In the Claims:

Please add the following new claims:

Ab  
F4  
C 16. The isolated, enriched, or purified nucleic acid of  
claim 1 ~~having~~ <sup>comprising</sup> a nucleic acid sequence set forth in SEQ ID NO:1.

Ac 17. The isolated, enriched, or purified nucleic acid of  
claim 1 comprising a nucleic acid sequence that

(a) encodes a polypeptide amino acid sequence ~~having~~ <sup>comprising</sup> the  
sequence set forth in SEQ ID NO:2; or

(b) is the complement of the nucleic acid sequence of (a).

Ab  
F5 18. The isolated, enriched or purified nucleic acid ~~having~~ <sup>comprising</sup>  
a nucleic acid sequence of SEQ ID NO:3 or SEQ ID NO:4.

Sub  
C2 19. The isolated, enriched or purified nucleic acid of  
claim 1 wherein said nucleic acid encodes MDK1.T1, MDK1.T2,  
MDK1.Δ1 or MDK1.Δ2.

*Sub 2*  
20. The isolated, enriched, or purified nucleic acid sequence of claim 1 wherein said nucleic acid encodes a functional derivative of the full length MDK1 amino acid sequence set forth in SEQ. ID NO:2.

*Sub 2*  
21. An isolated, enriched, or purified nucleic acid sequence comprising a nucleic acid sequence encoding the MDK1<sub>N</sub> extracellular domain. *Polypeptide*

*Sub 2*  
22. An isolated, enriched, or purified nucleic acid sequence comprising a nucleic acid sequence encoding the MDK1<sub>N</sub> transmembrane domain. *Polypeptide*

*Sub 2*  
23. An isolated, enriched, or purified nucleic acid sequence comprising a nucleic acid sequence encoding the MDK1<sub>N</sub> kinase domain. *Polypeptide*

*Sub 2*  
24. An isolated, enriched, or purified nucleic acid sequence comprising a nucleic acid sequence encoding the MDK1<sub>N</sub> intracellular domain. *Polypeptide*

Sub  
C3  
a1  
25. An isolated, enriched, or purified nucleic acid sequence comprising a nucleic acid sequence encoding two or more of the domains selected from the group consisting of the MDK1 extracellular domain, the MDK1 transmembrane domain, the MDK1 kinase domain, and the MDK1 intracellular domain.

26. A genetically engineered host cell containing a nucleic acid of claim 17, 19, 21, 22, 23 24, or 25.

27. A method for detecting the presence of a nucleic acid molecule of claim 17 or 19 comprising

(a) contacting a cell or an extract thereof with a nucleic acid probe of claim 2 under highly stringent conditions and

(b) measuring the hybridization of said probe to the nucleic acid molecules of said cell or extract thereof, thereby detecting the presence of said nucleic acid molecule.

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REMARKS

In the Office Action mailed April 2, 1996, the Examiner required restriction to one of the following groups of claims: